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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2009; month=6; day=11; hr=12; min=39; sec=16; ms=741;]

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Application No: 10586071 Version No: 1.0

Input Set:

Output Set:

Started: 2009-06-04 13:19:44.436
Finished: 2009-06-04 13:19:47.221
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 785 ms
Total Warnings: 57
Total Errors: 0
No. of SeqIDs Defined: 67
Actual SeqID Count: 67

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Input Set:

Output Set:

Started: 2009-06-04 13:19:44.436
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Actual SeqID Count: 67

Error code	Error Description
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Lys Lys Cys Pro Ser Thr His Ser Glu Glu Leu His Asp Cys Ile Gln
35 40 45

Lys Thr Leu Asn Glu Trp Ser Ser Gln Ile Asn Pro Asp Leu Val Arg
50 55 60

Glu Phe Pro Asp Val Leu Glu Cys Thr Val Ser His Ala Val Glu Lys
65 70 75 80

Ile Asn Pro Asp Glu Arg Glu Glu Met Lys Val Ser Ala Lys Leu Phe
85 90 95

Ile Val Glu Ser Asn Ser Ser Ser Thr Arg Ser Ala Val Asp Met
100 105 110

Ala Cys Ser Val Leu Gly Val Ala Gln Leu Asp Ser Val Ile Ile Ala
115 120 125

Ser Pro Pro Ile Glu Asp Gly Val Asn Leu Ser Leu Glu His Leu Gln
130 135 140

Pro Tyr Trp Glu Glu Leu Glu Asn Leu Val Gln Ser Lys Lys Ile Val
145 150 155 160

Ala Ile Gly Thr Ser Asp Leu Asp Lys Thr Gln Leu Glu Gln Leu Tyr

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Cys Cys Val Met Pro Pro Asp Leu Thr Ala Phe Ala Lys Gln Phe Asp		
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Ile Gln Leu Leu Thr His Asn Asp Pro Lys Glu Leu Leu Ser Glu Ala		
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Ser Phe Gln Glu Ala Leu Gln Glu Ser Ile Pro Asp Ile Gln Ala His		
225	230	235
240		
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Gly Ser		
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Leu Arg Thr Ser Gln Glu Pro Thr Ser Ser Glu Val Val Ser Tyr Ala		
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Pro Phe Thr Leu Phe Pro Ser Leu Val Pro Ser Ala Leu Leu Glu Gln		
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Ala Tyr Ala Val Gln Met Asp Phe Asn Leu Leu Val Asp Ala Val Ser		
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Gln Asn Ala Ala Phe Leu Glu Gln Thr Leu Ser Ser Thr Ile Lys Gln
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Asp Asp Phe Thr Ala Arg Leu Phe Asp Ile His Lys Gln Val Leu Lys
100 105 110

Glu Gly Ile Ala Gln Thr Val Phe Leu Gly Leu Asn Arg Ser Asp Tyr
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Met Phe Gln Arg Ser Ala Asp Gly Ser Pro Ala Leu Lys Gln Ile Glu
130 135 140

Ile Asn Thr Ile Ser Ala Ser Phe Gly Gly Leu Ala Ser Arg Thr Pro
145 150 155 160

Ala Val His Arg His Val Leu Ser Val Leu Ser Lys Thr Lys Glu Ala
165 170 175

Gly Lys Ile Leu Ser Asn Asn Pro Ser Lys Gly Leu Ala Leu Gly Ile
180 185 190

Ala Lys Ala Trp Glu Leu Tyr Gly Ser Pro Asn Ala Leu Val Leu Leu
195 200 205

Ile Ala Gln Glu Lys Glu Arg Asn Ile Phe Asp Gln Arg Ala Ile Glu
210 215 220

Asn Glu Leu Leu Ala Arg Asn Ile His Val Ile Arg Arg Thr Phe Glu
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Asp Ile Ser Glu Lys Gly Ser Leu Asp Gln Asp Arg Arg Leu Phe Val
245 250 255

Asp Gly Gln Glu Ile Ala Val Val Tyr Phe Arg Asp Gly Tyr Met Pro
260 265 270

Arg Gln Tyr Ser Leu Gln Asn Trp Glu Ala Arg Leu Leu Leu Glu Arg
275 280 285

Ser His Ala Ala Lys Cys Pro Asp Ile Ala Thr Gln Leu Ala Gly Thr
290 295 300

Lys Lys Val Gln Gln Glu Leu Ser Arg Pro Gly Met Leu Glu Met Leu
305 310 315 320

Leu Pro Gly Gln Pro Glu Ala Val Ala Arg Leu Arg Ala Thr Phe Ala
325 330 335

Gly Leu Tyr Ser Leu Asp Val Gly Glu Glu Gly Asp Gln Ala Ile Ala
340 345 350

Glu Ala Leu Ala Ala Pro Ser Arg Phe Val Leu Lys Pro Gln Arg Glu
355 360 365

Gly Gly Gly Asn Asn Leu Tyr Gly Glu Glu Met Val Gln Ala Leu Lys
370 375 380

Gln Leu Lys Asp Ser Glu Glu Arg Ala Ser Tyr Ile Leu Met Glu Lys
385 390 395 400

Ile Glu Pro Glu Pro Phe Glu Asn Cys Leu Leu Arg Pro Gly Ser Pro
405 410 415

Ala Arg Val Val Gln Cys Ile Ser Glu Leu Gly Ile Phe Gly Val Tyr
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Val Arg Gln Glu Lys Thr Leu Val Met Asn Lys His Val Gly His Leu
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<213> Homo sapiens

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Leu Arg Gly Lys Val Leu Leu Ile Glu Asn Val Ala Ser Leu Xaa Gly
35 40 45

Thr Thr Val Arg Asp Tyr Thr Gln Met Asn Glu Leu Gln Arg Arg Leu
50 55 60

Gly Pro Arg Gly Leu Val Val Leu Gly Phe Pro Cys Asn Gln Phe Gly
65 70 75 80

His Gln Glu Asn Ala Lys Asn Glu Glu Ile Leu Asn Ser Leu Lys Tyr
85 90 95

Val Arg Pro Gly Gly Phe Glu Pro Asn Phe Met Leu Phe Glu Lys
100 105 110

Cys Glu Val Asn Gly Ala Gly Ala His Pro Leu Phe Ala Phe Leu Arg
115 120 125

Glu Ala Leu Pro Ala Pro Ser Asp Asp Ala Thr Ala Leu Met Thr Asp
130 135 140

Pro Lys Leu Ile Thr Trp Ser Pro Val Cys Arg Asn Asp Val Ala Trp
145 150 155 160

Asn Phe Glu Lys Phe Leu Val Gly Pro Asp Gly Val Pro Leu Arg Arg
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Tyr Ser Arg Arg Phe Gln Thr Ile Asp Ile Glu Pro Asp Ile Glu Ala
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Leu Leu Ser Gln Gly Pro Ser Cys Ala
195 200

<210> 13

<211> 501

<212> PRT

<213> Homo sapiens

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Gln Gly Asn Val Asn Gly Arg Leu Pro Ser Leu Gly Asn Lys Glu Pro
20 25 30

Pro Gly Gln Glu Lys Val Gln Leu Lys Arg Lys Val Thr Leu Leu Arg
35 40 45

Gly Val Ser Ile Ile Gly Thr Ile Ile Gly Ala Gly Ile Phe Ile
50 55 60

Ser Pro Lys Gly Val Leu Gln Asn Thr Gly Ser Val Gly Met Ser Leu
65 70 75 80

Thr Ile Trp Thr Val Cys Gly Val Leu Ser Leu Phe Gly Ala Leu Ser
85 90 95

Tyr Ala Glu Leu Gly Thr Thr Ile Lys Lys Ser Gly Gly His Tyr Thr
100 105 110

Tyr Ile Leu Glu Val Phe Gly Pro Leu Pro Ala Phe Val Arg Val Trp
115 120 125

Val Glu Leu Leu Ile Ile Arg Pro Ala Ala Thr Ala Val Ile Ser Leu
130 135 140

Ala Phe Gly Arg Tyr Ile Leu Glu Pro Phe Phe Ile Gln Cys Glu Ile
145 150 155 160

Pro Glu Leu Ala Ile Lys Leu Ile Thr Ala Val Gly Ile Thr Val Val
165 170 175

Met Val Leu Asn Ser Met Ser Val Ser Trp Ser Ala Arg Ile Gln Ile
180 185 190

Phe Leu Thr Phe Cys Lys Leu Thr Ala Ile Leu Ile Ile Ile Val Pro
195 200 205

Gly Val Met Gln Leu Ile Lys Gly Gln Thr Gln Asn Phe Lys Asp Ala
210 215 220

Phe Ser Gly Arg Asp Ser Ser Ile Thr Arg Leu Pro Leu Ala Phe Tyr
225 230 235 240

Tyr Gly Met Tyr Ala Tyr Ala Gly Trp Phe Tyr Leu Asn Phe Val Thr
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Glu Glu Val Glu Asn Pro Glu Lys Thr Ile Pro Leu Ala Ile Cys Ile
260 265 270

Ser Met Ala Ile Val Thr Ile Gly Tyr Val Leu Thr Asn Val Ala Tyr
275 280 285

Phe Thr Thr Ile Asn Ala Glu Glu Leu Leu Leu Ser Asn Ala Val Ala
290 295 300

Val Thr Phe Ser Glu Arg Leu Leu Gly Asn Phe Ser Leu Ala Val Pro
305 310 315 320

Ile Phe Val Ala Leu Ser Cys Phe Gly Ser Met Asn Gly Gly Val Phe
325 330 335

Ala Val Ser Arg Leu Phe Tyr Val Ala Ser Arg Glu Gly His Leu Pro
340 345 350

Glu Ile Leu Ser Met Ile His Val Arg Lys His Thr Pro Leu Pro Ala
355 360 365

Val Ile Val Leu His Pro Leu Thr Met Ile Met Leu Phe Ser Gly Asp
370 375 380

Leu Asp Ser Leu Leu Asn Phe Leu Ser Phe Ala Arg Trp Leu Phe Ile
385 390 395 400

Gly Leu Ala Val Ala Gly Leu Ile Tyr Leu Arg Tyr Lys Cys Pro Asp
405 410 415

Met His Arg Pro Phe Lys Val Pro Leu Phe Ile Pro Ala Leu Phe Ser
420 425 430

Phe Thr Cys Leu Phe Met Val Ala Leu Ser Leu Tyr Ser Asp Pro Phe
435 440 445

Ser Thr Gly Ile Gly Phe Val Ile Thr Leu Thr Gly Val Pro Ala Tyr
450 455 460

Tyr Leu Phe Ile Ile Trp Asp Lys Lys Pro Arg Trp Phe Arg Ile Met
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<212> DNA

<213> Homo sapiens

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caccctgcac ctgcagacgg ggaacctgct gaactggggc cgcctgcgga agaagtgcgg 360

gtccacgcac agcgaggagc ttcatgattt tatccaaaaaa accttgaatg aatggagttc 420

ccaaatcaac ccagatttgg tcagggagtt tccagatgtc ttggaatgca ctgtatctca 480

tgcagtagaa aagataaatc ctgatgaaag agaagaaatg aaagttctg caaaactgtt 540

cattgttagaa tcaaactttt catcatcaac tagaagtgcg gttgacatgg cctgttcagt 600

ccttggagtt gcacagctgg attctgtgat cattgcttca cctccttattt aagatggagt 660

taatcttcc ttggagcatt tacagcctta ctgggaggaa ttagaaaact tagttcagag 720

caaaaagatt gttgccatag gtacctctga tctagacaaa acacagttgg aacagctgta 780

tcaagtggca caggtaaaac caaatagtaa ccaagttaat cttgcctcct gctgtgtat 840

gccaccagat ttgactgcatt ttgctaaaca atttgacata cagctgttga ctcacaatga 900

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cattcaagcg cacgagtggg tgccgctgtg gctactgcgg tattcggtca ttgtgaaaag 1020

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